

Vol. 13

\$1.95 USA

**28/32 cm Wurfrahmen (Sf) auf
Infanterie-Schlepper UE
France 1944**



Step-by-Step Finishing German Armor

By Glenn Bartolotti

A complete Step-by-Step guide to painting and finishing Armor Models and Figures

Vol. 13

**28/32 cm Wurfrahmen (Sf) auf
Infanterie-Schlepper UE**

France 1944

Step-by-Step Finishing German Armor

By Glenn Bartolotti



A complete Step-by-Step guide to painting
and finishing Armor Models and Figures

Copyright © 2010 by Glenn L. Bartolotti

All rights reserved. No part of this book may be reproduced or transmitted in any form or by any means, electronic or by mechanical, including photocopying, recording, or by any information storage and retrieval system, without permission in writing from the author.

Printing is allowed by the purchaser only as reference and not mass production.



Bladerunner8u Production, © 2010
bladerunner8u@netscape.net

Materials Used

The materials I use are very easy to obtain and simple to use. Most are inexpensive and found at most all art supply stores. Over the years I have learned to use these basic materials to obtain finishes that look very realistic. Consistency is key to good results and following each step is very important to obtain the desired finish.

You will notice that in none of the steps will you see the method of dry-brushing. I do not like to use this method as some armor modelers do. I prefer a more subtle look in which I feel represents the look of a full scale armor vehicle.

My modeling finishes are more artistic than mechanical. Its not about staying in the lines but creating contrast and tones.

Some of the basic materials below were used to finish the 1 model in this volume.

Orderless synthetic turpentine

Micro Sol Decal setting solution

1 each No. 3 round paint brush

1 each No. 0 round paint brush

1 can generic flat grey spray primer

1 can Testors Model Master gloss spray

1 can Testors Model Master lusterless flat spray

Testors Model Master flat enamel paints-*colors specified in text*

Testors Model Master airbrush thinner

Masking Tape

White glue

Artist oil paint

White

Raw Umber

Burnt Sienna

Pastel Sticks

Yellow Ochre

Rust

Olive green

No. 2 Pencil



*Note: Materials used for painting and weathering only.
The figures seen in some of the photos used no
paint colors than listed above.*



28/32 cm Wurfrahmen (Sf) auf Infanterie-Schlepper UE

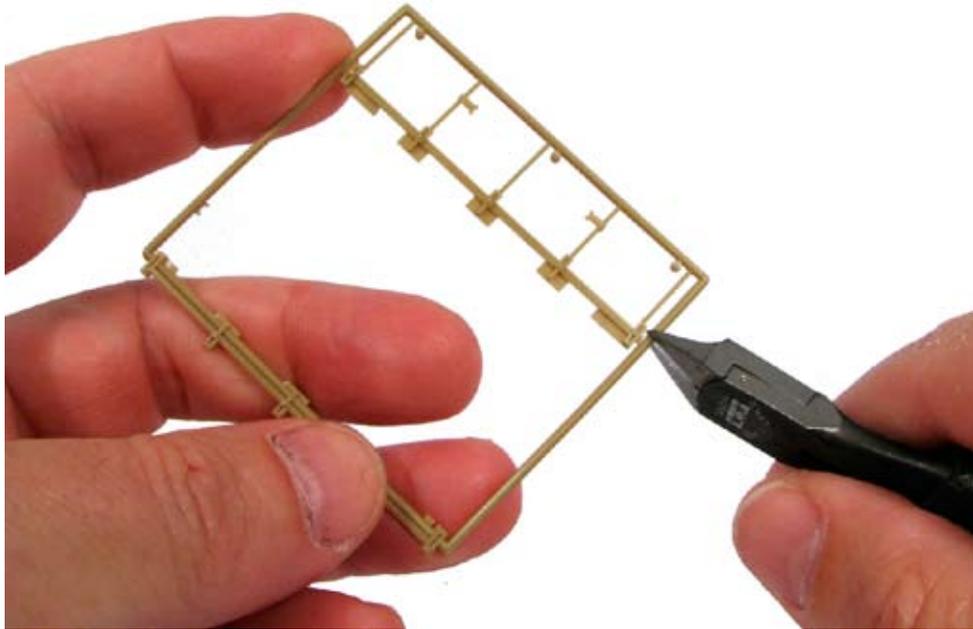
The 28/32 cm Wurfrahmen (Sf) auf Infanterie-Schlepper UE (f), was based on the Renault UE, 40 were produced in 2 versions.

The Germans called mounted rocket artillery on AFV's, 'foot stuka' or 'Stuka zu fuss'.

I wanted to build a better built kit of this model using both Tamiya kits together instead of the Mirage kit which lacks much of the UE's detail.



The kits used are the Tamiya 35284 French Army UE Tractor and Tamiya 35155 Schweres Wurfgerät 41 "Heulende Kuh" in 1/35th scale.



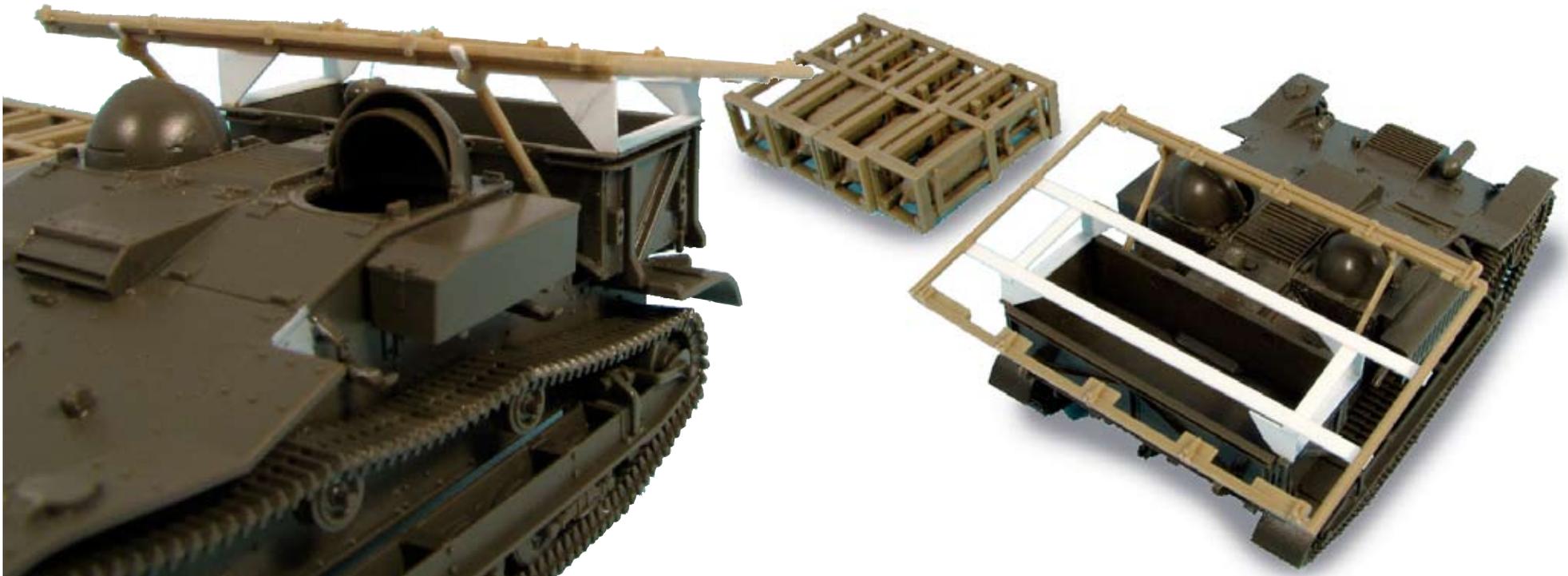
1. The conversion is easy to do and requires some plastic card and strips.

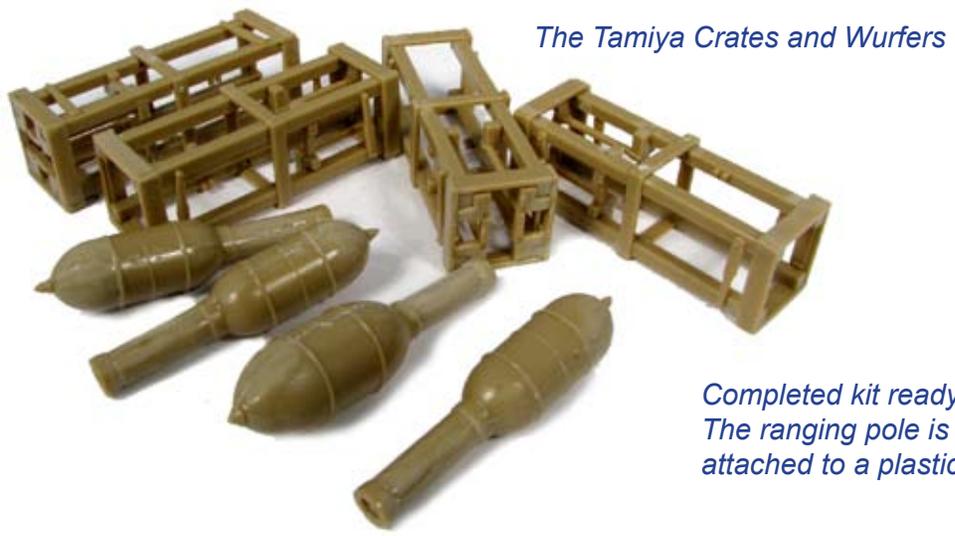
First step is to cut the rear portion of the pipe frame (left).

Then a mounting frame was made using plastic card and strips. I looked at the reference photo to build the mounting frame to match the photo's frame as close as I could.

Once the mounting frame was complete the pipe frame was glue to it.

1





The Tamiya Crates and Wurfers

Completed kit ready for paint.
The ranging pole is a metal wire attached to a plastic card frame.



Panzer Dunkelgelb '43
Available as:
→ Panzer Dunkelgelb 1943 (F) MM - 1/2 oz. Bottle
SKU# 2095 Price: USD\$ 3.29

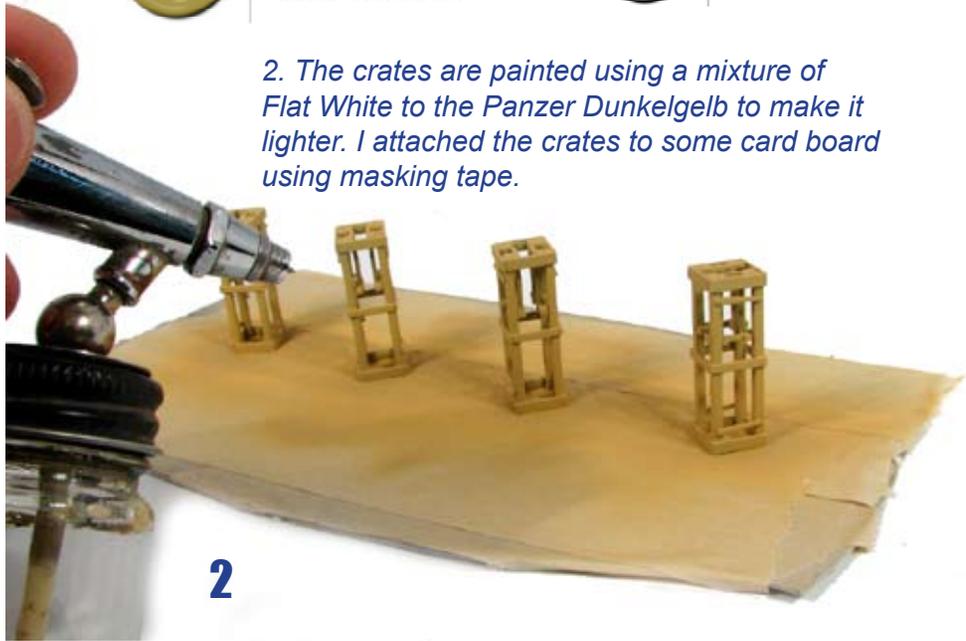


Flat White
Available as:
→ Flat White FS37875 - 1/2 oz. Bottle
SKU# 1768 Price: USD\$ 3.29



Grun
Available as:
→ Grun RLM52 (SG) MM - 1/2 oz. Bottle
SKU# 2076 Price: USD\$ 3.29
→ Grun RLM72 (SG) MM - 1/2 oz. Bottle
SKU# 2052 Price: USD\$ 3.29
→ Grun RLM73 (SG) MM - 1/2 oz. Bottle
SKU# 2053 Price: USD\$ 3.29

2. The crates are painted using a mixture of Flat White to the Panzer Dunkelgelb to make it lighter. I attached the crates to some card board using masking tape.



2

3. I painted the wurfers Grun. They were also attached to some card board using white glue to just tack them down for painting.



3

4



4. The model is given a **primer coat** to cover and protect the photo etch parts and give the model a good base to start the paint process. I use a basic spray can primer that can be purchased at the local home store. This primer coat makes painting the steps much easier because you get a smooth coat of color to allow you to see all the areas that will be needed to be painted in the steps used to shade and high light the model.

5



5. On this build I decided to try a new Ideal and shade with one of the dark camo colors.

The first step in the painting process is the **pre-shade base color**. 2007 Burnt Sienna. This is the red brown (Rotbraun) shade of the camo pattern. I like this shade best for the red brown color. It is a good idea to practice first on some card stock to get your airbrush zeroed in.



Burnt Sienna

Available as:

→ Burnt Sienna (F) MM - 1/2 oz. Bottle
SKU# 2007 Price: USD\$ 3.29

6



8. Next step in the painting process is the **1st camo color**. 2091 (Dunkelgrun). This is the green shade of the camo pattern. It is a good idea to practice first on some card stock.



Dunkelgrun

Available as:

→ Dunkelgrun RLM71 (SG) MM - 1/2 oz. Bottle

SKU# 2081 Price: USDS 3.29

→ Dunkelgrun RLM82 (SG) MM - 1/2 oz. Bottle

SKU# 2091 Price: USDS 3.29

7



7. Next step in the painting process is the **2nd camo color**, this is the main color. 2102 Afrika Braun is used in this step. This paint is used as I feel it is a better shade than Dunkelgelb because the later high-lighting and weathering processes will change its shade anyway.

This effect is quite different than some of my other SBS volumes It shows you can experiment with some of the steps to get new results.



Afrika Braun '42

Available as:

→ Afrika Braun '42 RAL8020 (F) MM - 1/2 oz. Bottle

SKU# 2102 Price: USDS 3.29

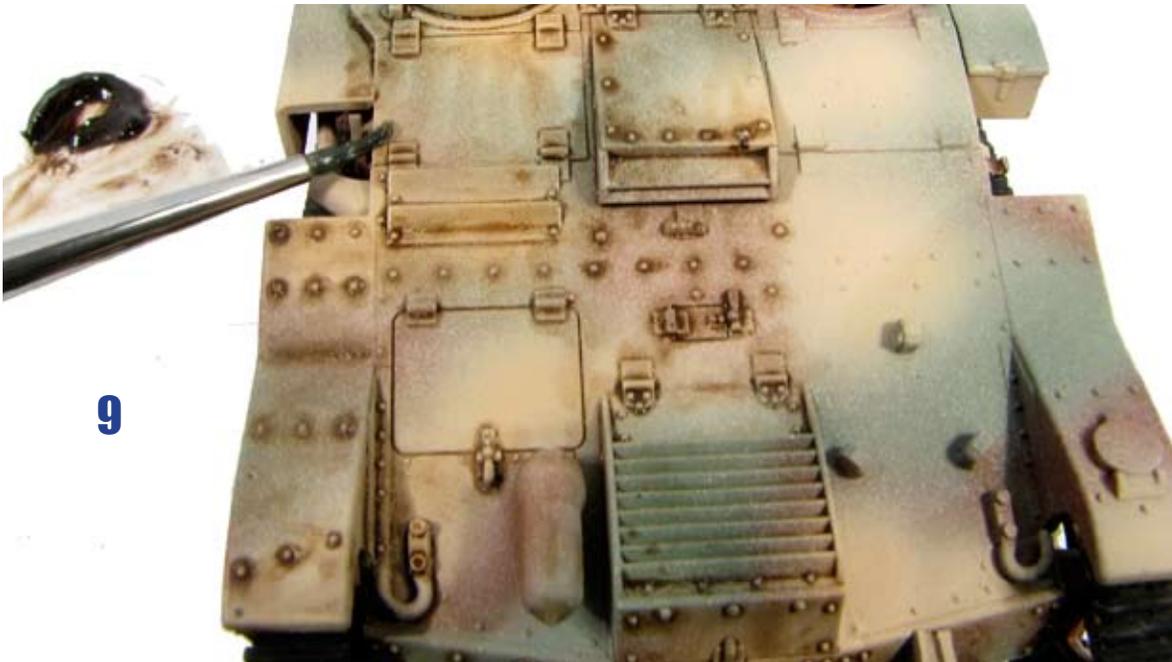
8



8. Next step is the **wash**.

The tracks are given a wash of black artist oil paint thinned and mixed with turpentine. This will give the tracks some depth on this small tank and separate it from the other colors some.

As you can see I only used one marking, the number 2 on the sides. This was take from my spare decals.



9

9. Next step is the **wash**.

First I brush the model with clean turpentine in the area you will be working in. Work in small areas from the top of the model first ending with the running gaer.

I put a dab of Raw Umber on a pallet, the oil paint is thinned and mixed with turpentine on the pallet and then applied to the model with a brush. I do not want the wash to coat the entire model, it is controlled just where I want it. This is called a pin wash, apply to all of the surface details to create false shadows around each one, and any excess wash is blended into the surrounding surface once dry. Note the difference in the left side with the wash and right side without wash. Raw Umber only is streaked down the sides like it would naturally, but care should be taken not to overdo this...be subtle. Make sure all the bolts/rivets get a wash.



10

10. Once the body of the UE's wash has dried it is turned on its side and the **wheels** are given a wash. It is put on its side so the wash stays around the bolts and details not allowing the wash to drain down to the bottom of the wheels only. This gives the wheels and the sides of the body a even effect all around.

The wooden crates are also given a wash using Burnt Sienna and Raw Umber in some places to create variation in colors.



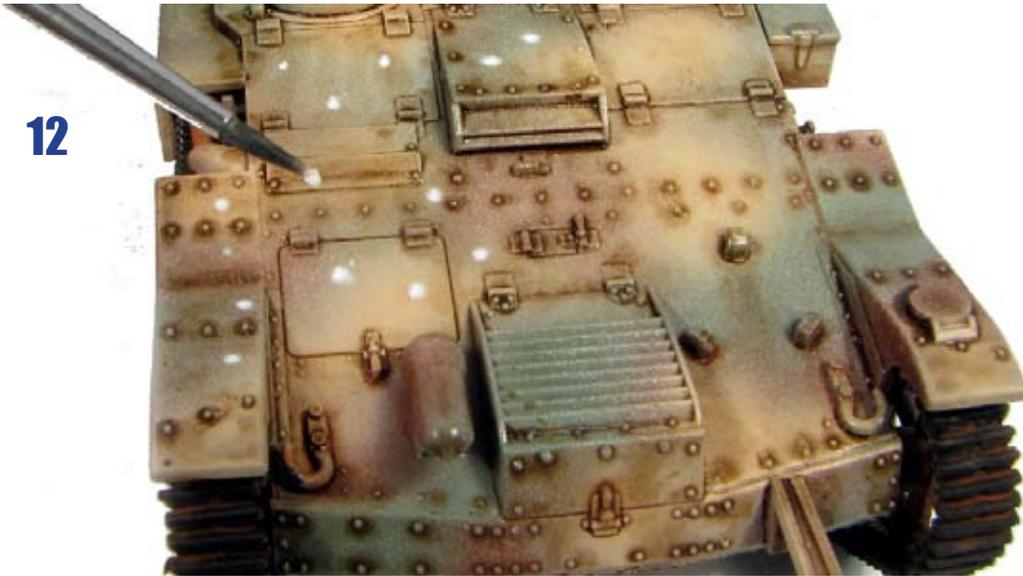
11

11. Next step is **pastel pigment weathering**. I use pastels in the same way you use pigments, but I make my own powder. The pastels are \$1.00 a stick at the art store and come in a large variety of shades. I use a file to grind them into powder. I mix them with turpentine on a pallet and apply them with a brush. Make sure you thin the powder heavily because if not it will dry and cover to much, a little goes a long way!

The muffler pipe gets pastel washes using shades of rust, and olive green pastel powder. Apply the rust shade first and then add blotches of the brown and olive after. When the wash dries it is quite convincing giving a good representation of weathered iron.



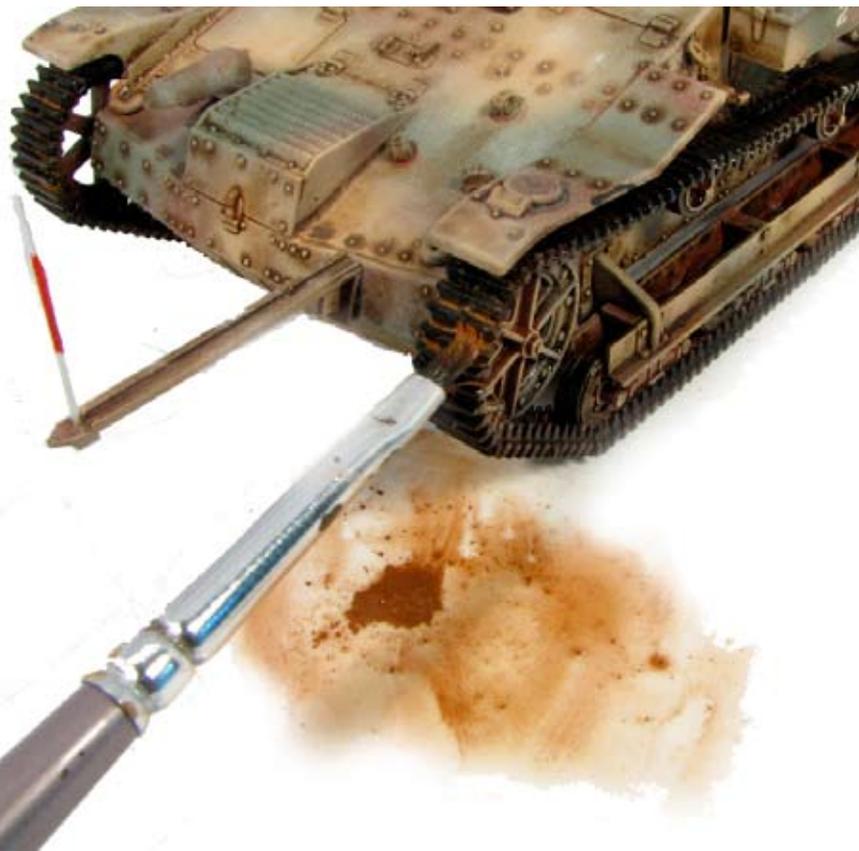
12



12. Next step is the **effects**. I use heavily thinned white artist oil paint to give flat areas of the UE to look as though water that has mixed with dust and dried on the surface.

I paint the area with clean turpentine as before. I put a dab of white oil paint on a pallet, the oil paint is thinned with turpentine on the pallet and then applied to the model with a small brush. Blend well and be very subtle. Other earth shade oil colors can be used in this step to add other transparent glaze weathering effects.

13



13. Next step in the weathering process. The tracks get a earth color **pastel pigment as in step 11** thinned heavily with turpentine. Make sure you thin the powder heavily because if not it will dry and cover to much of the tracks, the wash should just look tinted a little goes a long way!

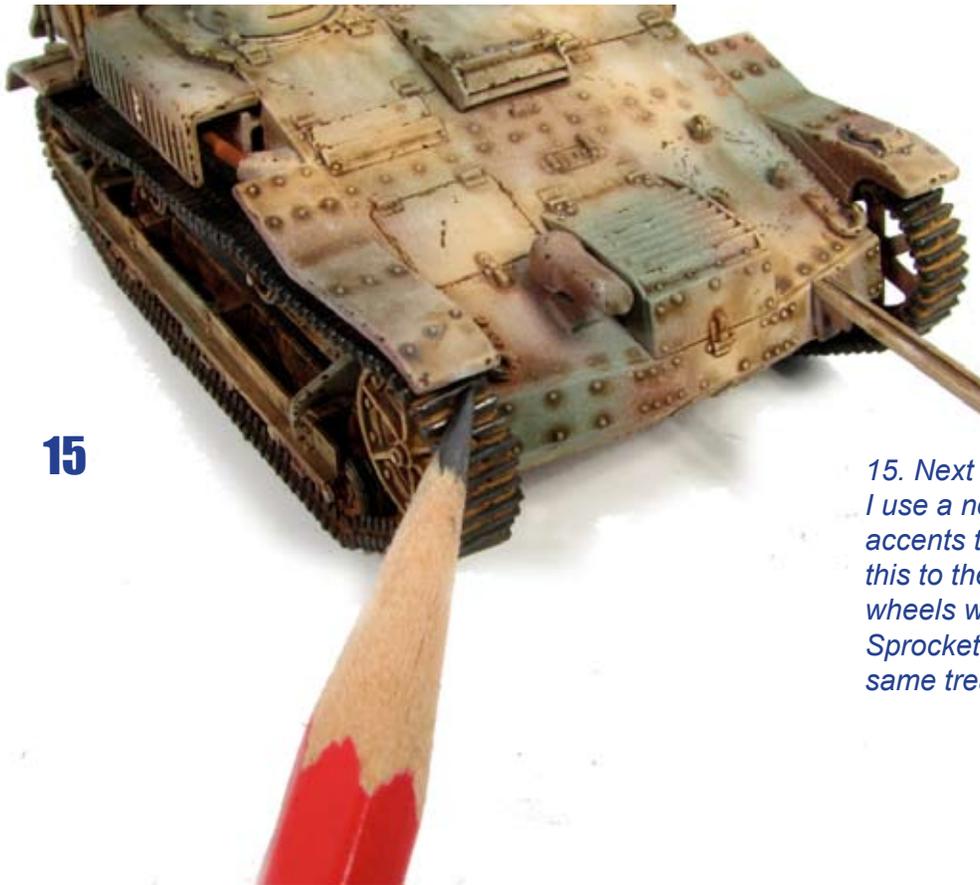
Apply a very thinned mixture to the road wheels as well.





14. Next step in the weathering process is the **paint chips & scratches**. I add chipped paint with Raw Umber oil paint and a small brush. The key to chips are make them small and without any pattern, keeping them on the most abused edges and damaged areas. On older damaged areas first paint the chip with Burnt Sienna, then add the raw umber inside the chip so the sienna borders the umber.

Use common sense and remember that less is more with chipped/worn areas, and think very small!



15. Next step is **metal accents**

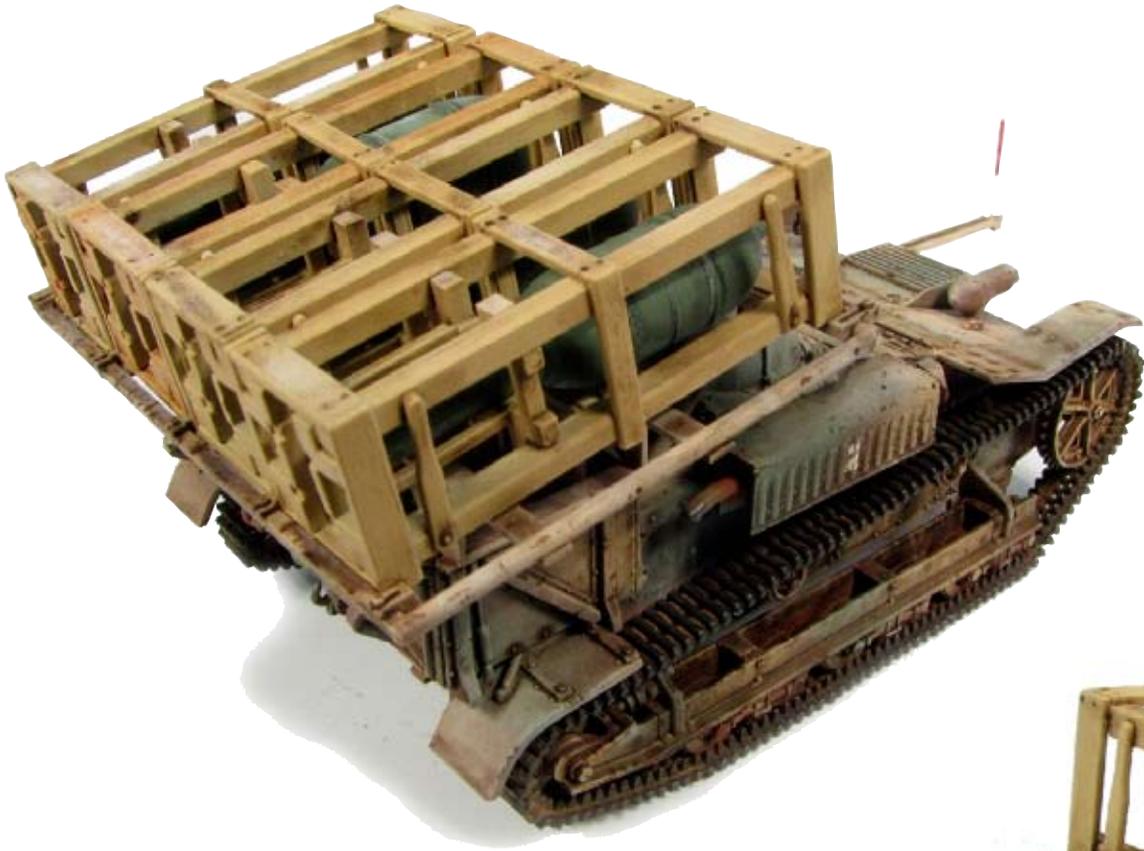
I use a no. 2 graphite pencil to add the metal accents to the raised parts of the tracks. I also add this to the areas you can see on the inner road wheels which rub on the tracks.

Sprocket teeth and track teeth also receive the same treatment

Finished Model



Finished Model



Stay Tuned!

Be on the look out for more **Step-by-Step Armor Finishing!**



A complete step-by-step guide to painting and finishing Armor Models and Figures



\$1.95 USA

Bladerunner8u Production, © 2010
bladerunner8u@netscape.net

